

Response to 7/26/05 Restriction Requirement

**AMENDMENTS TO THE CLAIMS**

Pending Claims:

At the time of the 7/26/05 Restriction Requirement:

1-21.

As a result of the present communication:

1-21.

Amended Claims:

As a result of the present communication:

11 and 18.

Withdrawn Claims:

As a result of the present communication:

none.

1. (Original) A method of determining a start of scan time in a laser scanning system utilizing a scanning reflector, comprising:

directing a laser beam toward the scanning reflector so as to be reflected by the scanning reflector;

returning the laser beam reflected from the scanning reflector toward the scanning reflector for at least one additional reflection from the scanning reflector;

detecting the laser beam reflected at least twice from the scanning reflector; and

controlling the start of scan of the scanning system, responsive to the detection of the laser beam.

2. (Original) A method according to claim 1, wherein transmitting the laser beam toward the scanning reflector comprises transmitting a beam separate from a beam used for conveying data in the scanning system.

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3. (Original) A method according to claim 1, wherein detecting the laser beam comprises detecting by a detector adjacent a source of the laser beam.
4. (Original) A method according to claim 2, wherein detecting the laser beam comprises detecting by a detector adjacent a source of the laser beam.
5. (Original) A method according to claim 1, wherein detecting the laser beam comprises detecting by a detector included in a single housing with a source of the laser beam, which housing does not encompass the scanning reflector.
6. (Original) A method according to claim 2, wherein the separate beams are generated by a single source and are split on their way to the scanning reflector.
7. (Original) A method according to claim 1, wherein transmitting the laser beam toward the scanning reflector comprises transmitting a same beam as used for conveying data in the scanning system.
8. (Original) A method according to claim 1, wherein the scanning reflector comprises an oscillating reflector.
9. (Original) A method according to claim 1, wherein the scanning reflector comprises a rotating polygon reflector.
10. (Original) A method according to claim 5, wherein the scanning reflector comprises a rotating polygon reflector.
11. (Currently amended) A laser scanning system, comprising:
  - a laser beam source modulated by data;
  - a scanning reflector;

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at least one reflector positioned to receive light from the source that has been reflected from the scanning reflector back toward the scanning reflector;

a detector adapted to detect light reflected at least twice from the scanning reflector; and

a controller adapted to control the timing of the data, including a start of scan of the scanning system, responsive to the detection of light by the detector.

12. (Original) A laser scanning system according to claim 11, wherein the at least one reflector comprises a plurality of reflectors, positioned such that the beam is reflected from the reflector more than twice before being detected.

13. (Original) A laser scanning system according to claim 11, wherein the scanning reflector comprises a rotating polygon reflector.

14. (Original) A laser scanning system according to claim 12, wherein the scanning reflector comprises a rotating polygon reflector.

15. (Original) A laser scanning system according to claim 11, wherein the scanning reflector comprises an oscillating reflector.

16. (Original) A laser scanning system according to claim 12, wherein the scanning reflector comprises an oscillating reflector.

17. (Original) A laser scanning system according to claim 11, wherein the laser beam source and the detector are included together in a single housing not encompassing the scanning reflector.

18. (Currently amended) A laser scanning system, comprising:  
a laser beam source;

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a scanning reflector;

a detector adapted to detect light reflected from the scanning reflector;

a mounting element having the laser beam source and the detector but not the scanning reflector mounted therein or thereon; and

a controller adapted to control the timing of the scanning system, including a start of scan of the scanning system, responsive to the detection of light by the detector.

19. (Original)A laser scanning system according to claim 18, wherein the scanning reflector comprises an oscillating reflector.

20. (Original)A laser scanning system according to claim 18, wherein the scanning reflector comprises a rotating polygon reflector.

21. (Original)A laser scanning system according to claim 18, comprising an additional reflector adapted to reflect light from the source, which was reflected from the scanning reflector, back onto the scanning reflector.